

DOUGLAS C. SMITH***LA CAPRA ASSOCIATES***Technical Director

Douglas Smith, Technical Director, has over 16 years of experience in the electric power industry. He is experienced and skilled in the areas of electricity markets, transactions and competitive procurement, resource planning, system simulation, and project feasibility analysis. While at La Capra Associates Mr. Smith has assisted utilities, generators, and regulatory agencies in the analysis of issues related to electric system planning, price forecasting, risk management and power transactions. Prior to joining La Capra Associates, Mr. Smith was employed as an Electrical Planning Engineer and Power Cost Analyst for the Vermont Department of Public Service.

As Technical Director, Mr. Smith has also taken a lead role in managing and directing La Capra Associates' work on renewable energy technologies and policies. His experience in wholesale market design and transactions has directed our clients to successfully purchase renewable power, as well as to understand how market conditions and the market's structure will influence sales of renewable electricity generation.

RELEVANT EXPERIENCE

- On behalf of the California Bureau of State Audits, reviewed the power purchasing program conducted by the California Department of Water Resources during 2001. Mr. Smith managed La Capra Associates' investigation of the Department's \$10 billion of short term power transactions, and participated in the investigation of the Department's \$43 billion of long term purchases.
- Managed and conducted power transactions of several New England electric utilities, from 1991 to present. Responsibilities include risk management strategy and analysis, simulations of alternative procurement strategies, negotiation with potential trading partners, and development of contract terms. Presently responsible for managing the power supply portfolio of the Washington (VT) Electric Cooperative, Inc.
- Leads the procurement of competitive retail generation service contracts for Amtrak (the National Railroad Passenger Corporation). Responsibilities include analysis of utility "shopping credits," solicitation of competitive supplies, evaluation of proposals, and competitive negotiations with suppliers. This effort produced successful supply contracts with several suppliers, resulting in several million dollars of customer savings.
- Reviewed PacifiCorp's procurement practices in the western markets for power deliveries during the fall 2000 through fall 2001 period in the context of a request for recovery of deferred excess power costs. Mr. Smith analyzed historical spot market prices, forward market conditions and utility's net short position and procurement practices to assess the merits of the company's request. Findings were presented in written and oral testimony before the Wyoming Public Service Commission.

- Provided testimony and advice on behalf of the New Hampshire Public Utilities Commission Staff's review of a proposal by Unitil for the provision of Transition Service power supply regarding the design of POLR service, and the auction to divest Unitil's power supply.
- Led La Capra Associates team in assisting the Massachusetts Division of Energy Resources to implement the Massachusetts Renewable Portfolio Standard. Identified and evaluated program design options such as technology eligibility, applicability of RPS to retail generation providers, and provisions for "banking" of compliance. Performed cost analysis, presented technical policy options to stakeholder group, and facilitated discussion with stakeholder group and regulators on key issues.
- Led a detailed analysis of future wholesale electricity market prices in the PJM Interconnection, and presented the analysis in expert testimony before the Pennsylvania Public Utilities Commission. The forecast was adopted by the Commission as the basis for determining the stranded generation costs of Pennsylvania utilities.
- Led detailed dispatch simulations of electric utility systems -- including the NEPOOL, PJM and ECAR regions of the U.S., the state of Maharashtra (India), and numerous individual U.S. utilities -- to identify the implications of alternative resource choices and planning assumptions on market prices and revenues.

EMPLOYMENT HISTORY

La Capra Associates
Technical Director

Boston, MA
1990-Present

Vermont Department of Public Service
Electrical Planning Engineer

Montpelier, VT
1988-1990

EDUCATION

Brown University
B.S., Mechanical Engineering with Energy Conversion emphasis

Providence, RI
1986

RECENT REPORTS

Massachusetts Renewable Portfolio Standard: Cost Analysis Report, Massachusetts Division of Energy Resources, December 21, 2000. Senior Advisor and Co-Author.

Massachusetts Renewable Portfolio Standard: Report on Sales from Existing Renewable Generating Sources, Massachusetts Division of Energy Resources, May 25, 2000. Senior Advisor and Co-Author.